

# AUDIT REPORT

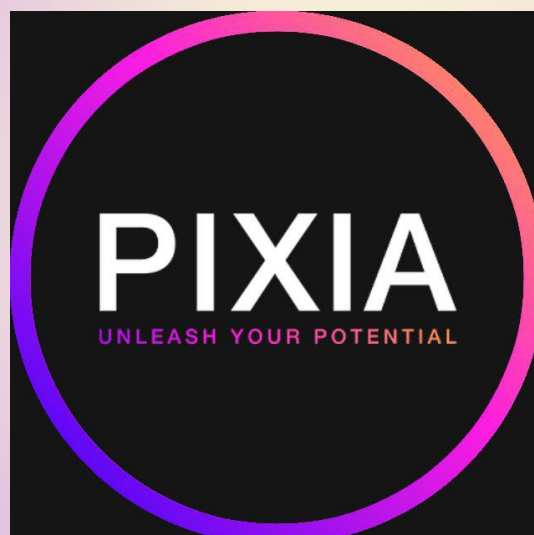
JAN 2023



**ANALYTIX  
AUDIT**

## Security Assessment **PixiaAI Token**

February 4, 2023





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# Assessment Summary

This report has been prepared for PixiaAI Token on the Ethereum network. Analytix Audit provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders
- Thorough line-by-line manual review of the entire codebase by industry experts.










# Technical Findings Summary

## Classification of Risk

Severity	Description
 Critical	Risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
 Major	Risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.
 Medium	Risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform
 Minor	Risks can be any of the above but on a smaller scale. They generally do not compromise the overall integrity of the Project, but they may be less efficient than other solutions.
 Informational	Errors are often recommended to improve the code's style or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

## Findings

Severity	Found	Pending	Resolved
 Critical	1	1	0
 Major	0	0	0
 Medium	0	0	0
 Minor	0	0	0
 Informational	0	0	0
Total	1	1	0



# Project Overview

## Token Summary

Parameter	Result
Address	0x67675239Fa58c84e75f947c14f566842Dccb69Ae
Name	PixiaAI
Token Tracker	PixiaAI (PIXIA)
Decimals	18
Supply	100,000,000
Platform	Ethereum
compiler	v0.8.17+commit.8df45f5f
Contract Name	PixiaAI
Optimization	No
LicenseType	No
Language	Solidity
Codebase	<a href="https://etherscan.io/token/0x67675239Fa58c84e75f947c14f566842Dccb69Ae#code">https://etherscan.io/token/0x67675239Fa58c84e75f947c14f566842Dccb69Ae#code</a>
Payment Tx	0x9de9bf9ae46ecd9c932a17f006180fd299ed15a55bc0918556a38eba39d45066





# Project Overview

## Risk Analysis Summary

Parameter	Result
Buy Tax	4.5%
Sale Tax	4.5%
Is honeypot?	Audit NOT passed.
Can edit tax?	Yes
Is anti whale?	No
Is blacklisted?	No
Is whitelisted?	No
Holders	744
Confidence Level	Medium

The following quick summary it's added to the project overview; however, there are more details about the audit and its results. Please read every detail.





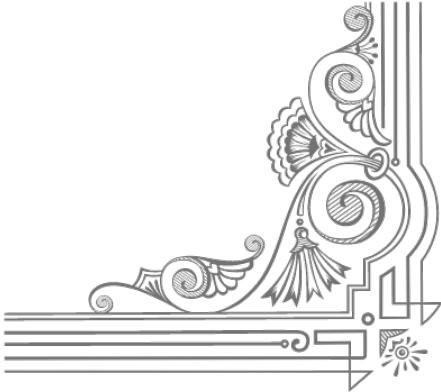
**Main Contract Assessed  
Contract Name**

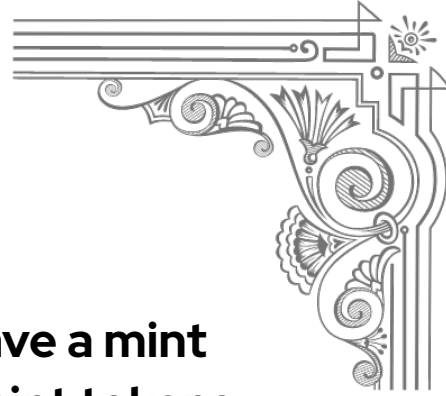
Name	Contract	Live
PixiaAI	0x67675239Fa58c84e75f947c14f566842Dccb69Ae	Yes

**TestNet Contract was Not Assessed**

**Solidity Code Provided**

SolID	File Sha-1	FileName
Pixia Ai	b055ea2b2fc43461d83796e0c7626c98	Pixia Ai.sol





# Mint Check

**The project owners of PixiaAI do not have a mint function in the contract, owner cannot mint tokens after initial deploy.**

**The Project has a Total Supply of 100,000,000 and cannot mint any more than the Max Supply.**

Mint Notes:

Auditor Notes:

Project Owner Notes:



**Owner can't mint new coins**







# Fees Check

**The project owners of PixiaAI do not have the ability to set fees higher than 20% .**

**The team May have fees defined; however, they can't set those fees higher than 20% or may not be able to configure the same.**

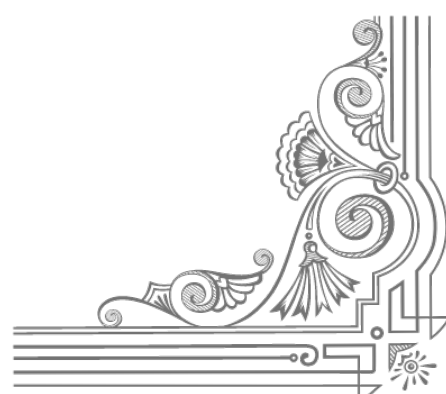
**Tax Fee Notes:**

**Auditor Notes:** The contract currently has 4.5% buy and 4.5% sell taxes, and cannot be set higher than 20%.

**Project Owner Notes:**



**Fees can be changed up to a maximum of 25%**





# Blacklist Check

**The project owners of PixiaAI do not have a blacklist function their contract.**

**The Project allow owners to transfer their tokens without any restrictions.**

**Token owner cannot blacklist the contract: Malicious or compromised owners can trap contracts relying on tokens with a blacklist.**

Blacklist Notes:

Auditor Notes:

Project Owner Notes: undefined





# MaxTx Check

**The Project Owners of PixiaAI can't set max tx amount**

**The Team allows any investors to swap, transfer or sell.**

**MaxTX Notes:**

**Auditor Notes:**

**Project Owner Notes:**

**Project Has No MaxTX**





# Pause Trade Check

**The Project Owners of PixiaAI don't have the ability to stop or pause trading.**

**The Team has done a great job to avoid stop trading, and investors has the ability to trade at any given time without any problems**

Pause Trade Notes:

Auditor Notes:

Project Owner Notes:

Owner can't pause trading





# Contract Ownership

The contract ownership of PixiaAI is not currently renounced. The ownership of the contract grants special powers to the protocol creators, making them the sole addresses that can call sensible ownable functions that may alter the state of the protocol.

The current owner is the address  
**0xe9bAc2c7d0cbcA263690C5d3FcFEb3f63c7946C5**  
which can be viewed:  
**[HERE](#)**

The owner wallet has the power to call the functions displayed on the privileged functions chart below, if the owner's wallet is compromised, they could exploit these privileges.

We recommend the team renounce ownership at the right time, if possible, or gradually migrate to a timelock with governing functionalities regarding transparency and safety considerations.

We recommend the team use a Multisignature Wallet if the contract is not going to be renounced; this will give the team more control over the contract.

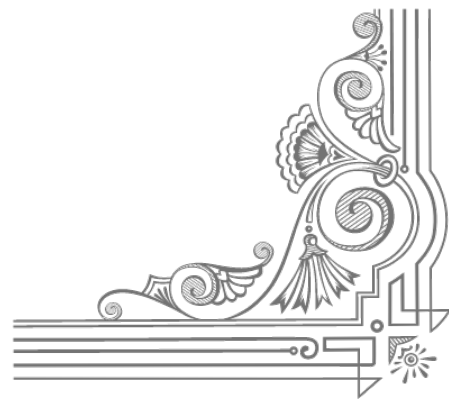




# Liquidity Ownership

Most of the liquidity is currently locked; the lock can be seen here:

Liquidity Locker Link can be viewed from:  
[HERE](#)





# KYC Information

**The Project Owners of PixiaAI is not KYC.**

**KYC Information Notes:**

**Auditor Notes: No information found.**

**Project Owner Notes:**





# Smart Contract Vulnerability Checks

ID	Severity	Name	File	location
SWC-100	Pass	Function Default Visibility	Pixia Ai.sol	L: 0 C: 0
SWC-101	Pass	Integer Overflow and Underflow.	Pixia Ai.sol	L: 0 C: 0
SWC-102	Pass	Outdated Compiler Version file.	Pixia Ai.sol	L: 0 C: 0
SWC-103	Pass	A floating pragma is set.	Pixia Ai.sol	L: 0 C: 0
SWC-104	Pass	Unchecked Call Return Value.	Pixia Ai.sol	L: 0 C: 0
SWC-105	Pass	Unprotected Ether Withdrawal.	Pixia Ai.sol	L: 0 C: 0
SWC-106	Pass	Unprotected SELFDESTRUCT Instruction	Pixia Ai.sol	L: 0 C: 0
SWC-107	Pass	Read of persistent state following external call.	Pixia Ai.sol	L: 0 C: 0
SWC-108	Pass	State variable visibility is not set..	Pixia Ai.sol	L: 0 C: 0
SWC-109	Pass	Uninitialized Storage Pointer.	Pixia Ai.sol	L: 0 C: 0
SWC-110	Pass	Assert Violation.	Pixia Ai.sol	L: 0 C: 0
SWC-111	Pass	Use of Deprecated Solidity Functions.	Pixia Ai.sol	L: 0 C: 0
SWC-112	Pass	Delegate Call to Untrusted Callee.	Pixia Ai.sol	L: 0 C: 0





ID	Severity	Name	File	location
SWC-113	Pass	Multiple calls are executed in the same transaction.	Pixia Ai.sol	L: 0 C: 0
SWC-114	Pass	Transaction Order Dependence.	Pixia Ai.sol	L: 0 C: 0
SWC-115	Pass	Authorization through tx.origin.	Pixia Ai.sol	L: 0 C: 0
SWC-116	Pass	A control flow decision is made based on The block.timestamp environment variable.	Pixia Ai.sol	L: 0 C: 0
SWC-117	Pass	Signature Malleability.	Pixia Ai.sol	L: 0 C: 0
SWC-118	Pass	Incorrect Constructor Name.	Pixia Ai.sol	L: 0 C: 0
SWC-119	Pass	Shadowing State Variables.	Pixia Ai.sol	L: 0 C: 0
SWC-120	Pass	Potential use of block.number as source of randomness.	Pixia Ai.sol	L: 0 C: 0
SWC-121	Pass	Missing Protection against Signature Replay Attacks.	Pixia Ai.sol	L: 0 C: 0
SWC-122	Pass	Lack of Proper Signature Verification.	Pixia Ai.sol	L: 0 C: 0
SWC-123	Pass	Requirement Violation.	Pixia Ai.sol	L: 0 C: 0
SWC-124	Pass	Write to Arbitrary Storage Location.	Pixia Ai.sol	L: 0 C: 0
SWC-125	Pass	Incorrect Inheritance Order.	Pixia Ai.sol	L: 0 C: 0
SWC-126	Pass	Insufficient Gas Griefing.	Pixia Ai.sol	L: 0 C: 0
SWC-127	Pass	Arbitrary Jump with Function Type Variable.	Pixia Ai.sol	L: 0 C: 0



ID	Severity	Name	File	location
SWC-128	Pass	DoS With Block Gas Limit.	Pixia Ai.sol	L: 0 C: 0
SWC-129	Pass	Typographical Error.	Pixia Ai.sol	L: 0 C: 0
SWC-130	Pass	Right-To-Left-Override control character (U+202E).	Pixia Ai.sol	L: 0 C: 0
SWC-131	Pass	Presence of unused variables.	Pixia Ai.sol	L: 0 C: 0
SWC-132	Pass	Unexpected Ether balance.	Pixia Ai.sol	L: 0 C: 0
SWC-133	Pass	Hash Collisions with Multiple Variable Length Arguments.	Pixia Ai.sol	L: 0 C: 0
SWC-134	Pass	Message call with hardcoded gas amount.	Pixia Ai.sol	L: 0 C: 0
SWC-135	Pass	Code With No Effects (Irrelevant/Dead Code).	Pixia Ai.sol	L: 0 C: 0
SWC-136	Pass	Unencrypted Private Data On-Chain.	Pixia Ai.sol	L: 0 C: 0

We scan the contract for additional security issues using MYTHX and industry-standard security scanning tools.



# Inheritance

**The contract for PixiaAI has the following inheritance structure.**

**The Project has a Total Supply of 100,000,000**





# Social Media Checks

Social Media	URL	Result
Twitter	<a href="http://twitter.com/pixiaais">http://twitter.com/pixiaais</a>	Pass
Other		Pending
Website	<a href="https://pixia.ai/">https://pixia.ai/</a>	Pass
Telegram	<a href="https://t.me/PixiaAi">https://t.me/PixiaAi</a>	Pass

We recommend to have 3 or more social media sources including a completed working websites.

**Social Media Information Notes:**

**Auditor Notes:** undefined

**Project Owner Notes:**





# Assessment Results

## Score Results

Review	Score
Overall Score	63/100
Auditor Score	60/100
Review by Section	Score
Manual Scan Score	13/50
SWC Scan Score	50 /50
Advance Check Score	undefined /0

The Following Score System Has been Added to this page to help understand the value of the audit, the maximum score is 100, however to attain that value the project must pass and provide all the data needed for the assessment. Our Passing Score has been changed to 80 Points, if a project does not attain 80% is an automatic failure. Read our notes and final assessment below.

## Audit Fail

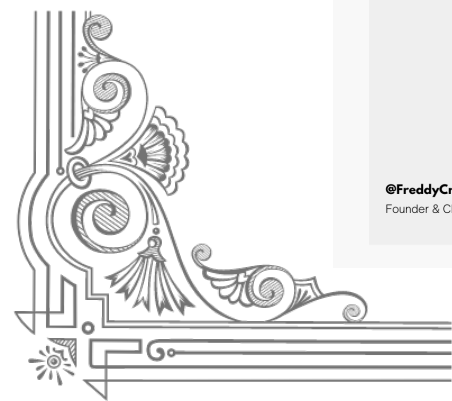
### Audit NOT Passed

Current project reviewed NOT successfully passed audit, NOT meeting all requirements for approval per Analytix Audit guidelines.



@FreddyCryptos  
Founder & CEO

Today's Date  
Dubai - United Arab Emirates





## Assessment Results

### Important Notes:

- High-Risk Exploits/Vulnerabilities Were Found in the Source Code.
- Safemath is no longer needed and is recommended to recode it.
- Owner can burn balance from liquidity pair, and drain the liquidity anytime. (L. 1458)

**Auditor Score =60**  
**Audit Fail**

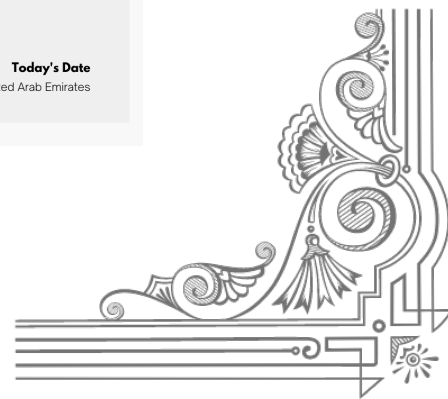
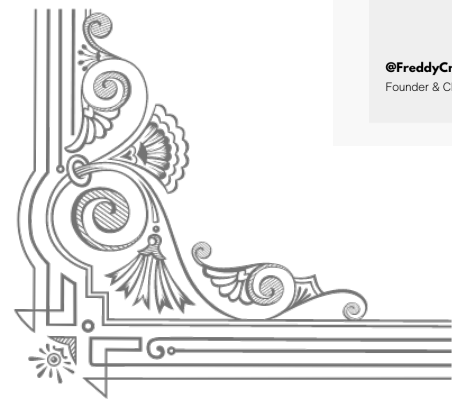
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# Appendix

## Finding Categories

### Centralization / Privilege

Centralization / Privilege findings refer to either feature logic or implementation of components that act against the nature of decentralization, such as explicit ownership or specialized access roles in combination with a mechanism to relocate funds.

### Gas Optimization

Gas Optimization findings do not affect the functionality of the code but generate different, more optimal EVM opcodes resulting in a reduction on the total gas cost of a transaction.

### Logical Issue

Logical Issue findings detail a fault in the logic of the linked code, such as an incorrect notion on how block.timestamp works.

### Control Flow

Control Flow findings concern the access control imposed on functions, such as owner-only functions being invoke-able by anyone under certain circumstances.

### Volatile Code

Volatile Code findings refer to segments of code that behave unexpectedly on certain edge cases that may result in a vulnerability.

### Coding Style

Coding Style findings usually do not affect the generated byte-code but rather comment on how to make the codebase more legible and, as a result, easily maintainable.

### Inconsistency

Inconsistency findings refer to functions that should seemingly behave similarly yet contain different code, such as a constructor assignment imposing different requirements on the input variables than a setter function.

### Coding Best Practices

ERC 20 Coding Standards are a set of rules that each developer should follow to ensure the code meets a set of criteria and is readable by all the developers.







## Disclaimer

Analytix Audit has conducted an independent security assessment to verify the integrity of and highlight any vulnerabilities or errors, intentional or unintentional, that may be present in the reviewed code for the scope of this assessment. This report does not constitute agreement, acceptance, or advocacy for the Project, and users relying on this report should not consider this as having any merit for financial advice in any shape, form, or nature. The contracts audited do not account for any economic developments that the Project in question may pursue, and the veracity of the findings thus presented in this report relate solely to the proficiency, competence, aptitude, and discretion of our independent auditors, who make no guarantees nor assurance that the contracts are entirely free of exploits, bugs, vulnerabilities or deprecation of technologies.

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